

Title (en)
PERYLENE-3,4,9,10-TETRACARBOXYLIC-ACID-MONOANHYDRIDE-MONOIMIDE AND MONOIMIDE-AZOLIDE COMPOUNDS, PROCESS FOR THEIR PREPARATION AND THEIR USE

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Application
EP 84102555 A 19840309

Priority
DE 3309060 A 19830314

Abstract (en)
[origin: US4594420A] Compounds of the formula <IMAGE> wherein X denotes a chlorine or bromine atom, n denotes a number from zero to 4 and Y denotes an oxygen atom or a nitrogen atom, and A, if Y represents an oxygen atom, is the phenyl radical, which can be substituted by substituents from the group comprising halogen, C1-C4-alkyl, C1-C4-alkoxy, carbalkoxy with 1-4 carbon atoms in the alkyl radical, hydroxyl, carboxyl, CF₃, nitro, phenoxy, phenoxo which is substituted by C1-C4-alkyl, C1-C4-alkoxy and/or halogen, phenylamino, phenylamino which is substituted in the phenyl radical by C1-C4-alkyl, C1-C4-alkoxy and/or halogen, phenylazo and phenylazo which is substituted by C1-C4-alkyl, C1-C4-alkoxy and/or halogen, or is the pyridyl radical, which can be substituted by halogen and/or C1-C4-alkyl, or A, if Y represents a nitrogen atom, is the o-phenylene radical, which, together with Y and the other nitrogen atom, forms the benzimidazole ring, it being possible for the benzene nucleus of the benzimidazole ring to be substituted by substituents from the group comprising halogen, C1-C4-alkyl and C1-C4-alkoxy, processes for their preparation and their use as colorants or their use as intermediates for the preparation of colorants.

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Citation (examination)
• Chemical Abstracts Band 97, Nr. 11, 13. September 1982, Columbus, Ohio, USA G.N. VOROZHTSOV et al. "Derivatives of 1,1'-binaphthyl. IX. Formation of derivatives of 3,4,9,10-perylenetetracarboxylic acid in the electrochemical reduction of 8,8'-disubstituted derivatives of 1,1'-binaphthyl-4,4', 5,5'-tetracarboxylic acid", Seite 698, Spalte 1, Abstract Nr. 91441m & Zh. Org. Khim., Band 18, Nr. 5, 1982, Seiten 1024-1033
• Chemical Abstracts Band 93, Nr. 26, 29. Dezember 1980, Columbus, Ohio, USA Y. NAGAO et al. "Synthesis and reactions of perylenecarboxylic acid derivatives. 4. Syntheses and properties of unsymmetrical 3,4:9,10-perylenebis(dicarboximide) derivatives", Seite 91, Spalte 1, Abstract Nr. 241183n

Cited by
US5154770A; US6166210A; WO9931069A1

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